

GENERAL LIGHTING NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE APPLICABLE UNDERGROUND CONDUIT OR UNIT DUCT PAY ITEM.
2. UNDERGROUND COILABLE NON-METALLIC CONDUIT SHALL BE SCHEDULE 80.
3. PROPOSED UNIT DUCT SHALL BE SCHEDULE 40.

INDEX OF SHEETS:

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ILLINOIS DEPARTMENT OF TRANSPORTATION SIGN LUMINAIRE PERFORMANCE TABLE		7/2/14
GIVEN CONDITIONS		
SIGN PANEL DATA:	Type (T=Truss C=Cantilever)	<u>T</u>
	Height	<u>7.5 FT</u>
	Width	<u>13.5 FT</u>
	Maintained Reflectance Contrast	<u> </u>
MOUNTING DATA:	Number of Luminaires Per Sign	<u>1</u>
	Mounting Height (- below, + above)	<u>0 FT</u>
	Bottom Edge of Sign Panel	<u>6.75 FT</u>
	Distance to Edge of Sign Panel	<u> </u>
	Fixture Spacing (If More Than 1)	<u> </u>
LUMINAIRE DATA:	Luminaire Setback From Sign Face	<u>4.25 FT</u>
	Lamp Type (HPS - Typical)	<u>HPS</u>
	Lamp Lumens	<u>16000</u>
	IES Vertical Distribution	<u>S</u>
	IES Control Of Distribution	<u>NC</u>
	IES Lateral Distribution	<u>4</u>
LAYOUT DATA:	Total Light Loss Factor	<u>0.7</u>
	Ambient Light Level	<u>Medium</u>
<p>NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.</p>		
PERFORMANCE REQUIREMENTS		
<p>NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.</p>		
ILLUMINATION:	Maintained Average Sign Illumination	<u>26 fc</u>
	Uniformity Ratio, (Max / Min)	<u>6.0</u>
LUMINANCE:	Maintained Average Sign Luminance	<u>40 Cd/m²</u>
	Uniformity Ratio, (L _{10%} / L _{1%})	<u>6.0</u>
	Sign Gradient Luminance Difference Ratio, (Max)	<u>2.0</u>

BILL OF MATERIALS			QUANTITY TOTALS
PAY ITEM	DESCRIPTION	UNIT	
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	50
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	540
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	3
81300555	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 8"	EACH	1
81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	360
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	328
82500300	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 30AMP	EACH	1
82109105	SIGN LIGHTING (HIGH PRESSURE SODIUM)	EACH	1